	8 7 6	5 4	3		2 1
	GENERAL CRITERIA:	MATERIAL CRITERIA:			
	1. THIS DESIGN MAY BE USED AS A STAND ALONE PACKAGE OR AS PART OF A LARGER DRAWING PACKAGE. ENGINEERING REVIEW AND APPROVAL SHALL BE OBTAINED FOR SITE—SPECIFIC CONDITIONS.	 CONCRETE: A. CONCRETE WORK PER LANL MASTER SPEC FOR REINFORCED CONCRETE. 			
	2. PLAN AND SECTIONS ARE SHOWN ON SHEETS ST-D5020-3-2 AND ST-D5020-3-3.	B. CONCRETE WORK PER LAND MASTER SPEC FOR REINFORCED CONCRETE. B. CONCRETE COMPRESSIVE STRENGTH (28 DAY): f'c = 4000 PSI C. 4% TO 6% ENTRAINED AIR			
	 ANY DISCREPANCIES SHALL BE REPORTED TO THE RESPONSIBLE ENGINEER PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. 	D. 3/4" AGGREGATE TOPSIZE E. ALL CONCRETE SHALL BE REINFORCED AS INDICATED ON SHEET 3.			
G	5. NEW CONSTRUCTION SHALL BE COORDINATED WITH EXISTING SITE CONDITIONS.6. THE PROJECT SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT CONCEALED CONDUITS, PLUMBING, OR OTHER UTILITIES.	F. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. G. REINFORCING STEEL SHALL BE CONTINUOUS U.N.O.			
	7. WHERE DIMENSIONS OR SPACINGS SHOWN ON SHEETS ST-D5020-3-2 AND ST-D5020-3-3 ARE NOT SPECIFIED, SUCH AS ANCHORS FOR HOUSEKEEPING PAD, SUBCONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS AND	H. PROVIDE WOOD FLOAT FINISH FREE OF DEPRESSIONS 2. POST-INSTALLED ANCHORS:			
	PROVIDE REQUIRED DIMENSIONS. 8. SHEET NUMBERING AND CALL—OUT REFERENCING WILL NEED TO BE UPDATED TO FOLLOW LANL STANDARDS AND INTEGRATE INTO DRAWING PACKAGES.	A. POST-INSTALLED ANCHORS PER LANL MASTER SPEC(S) FOR NORMAL CONFIDENCE POST-INSTALLED ANCHORS.			
	9. THIS STANDARD IS NOT APPLICABLE TO MCC'S THAT DO NOT MEET ALL THE CRITERIA, DIMENSIONS, ETC. CONTAINED IN THESE DRAWINGS.	B. POST-INSTALLED ANCHORS SHALL BE INSTALLED IN COMPLIANCE THE MANUFACTURER'S INSTALLATION GUIDELINES AND ICC REPORT.C. EMBEDMENTS SHOWN ON THE DRAWINGS ARE MINIMUM EMBEDMENT DEPTHS.			
	DESIGN CRITERIA:	D. POST-INSTALLED ANCHORS SHALL NOT CONFLICT OR DAMAGE CONCRETE REBAR. 3. MOTOR CONTROL CENTER:			
	 APPLICABLE CODES AND STANDARDS: A. INTERNATIONAL BUILDING CODE (IBC) 2009 	A. WEIGHT OF MCC AND BUS BARS MAY NOT EXCEED 600 LBS. B. MCC WILL BE MOUNTED ON THE BASEMENT OR FIRST FLOOR AT GRADE LEVEL.			
E	B. AMERICAN SOCIETY OF CIVIL ENGINEERS — MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES 2005 (ASCE 7-05).	C. INSTALL PER MANUFACTURER'S INSTRUCTIONS USING ADDITIONAL HARDWARE RECOMMENDED BY MANUFACTURER.			
•	C. AMERICAN CONCRETE INSTITUTE — BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318—08).D. LANL ENGINEERING STANDARDS MANUAL STD—342—100.				NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWING)
	 THIS DESIGN IS FOR ML-3/ML-4. FOR ML-1 AND ML-2 ADDITIONAL REQUIREMENTS MAY BE REQUIRED. STRUCTURE PERFORMANCE CATEGORY: PC-2 				1. EDIT TO BE PROJECT SPECIFIC 2. COMPLY WITH CURRENT EDITION OF LANL DRAFTING MANUAL FOR CALL—OUTS PROTOCOL AND LOCATION OF
	4. CALCULATIONS: CALC-12-00-000-0016-S				SCHEDULES/MATERIAL. 3. ASSIGN AN APPROPRIATE DRAWING NUMBER PER CURRENT EDITION OF LANL DRAFTING MANUAL PROTOCOL FOR DETAILS.
	5. DESIGN LOADS: A. DEAD LOADS: SELF WEIGHT OF MCC				FOR DETAILS.
	 B. SEISMIC DESIGN BASED ON LANL ESM CHAPTER 5 SECTION II REV 6. SEISMIC DESIGN PARAMETERS: SDS = 0.75g 				
	R = 1.5 $R = 1.5$				
				NO	REV
В				L.	MOTOR CONTROL CENTER DRAWN S. THOMSON
					ANCHORAGE DESIGN S. THOMSON CHECKED S. KOTHARI GENERAL NOTES
				SUB	OG : XXXX TA—XX DATE 1/2/2013 MITTED APPROVED FOR RELEASE CIPLINE POC: DOUGLAS VOLKMAN STANDARDS MANAGER: TOBIN ORUCH
A					Los Alamos 50.0. 1007
				CLAS	NATIONAL LABORATORY Los Alamos, New Mexico 87545 1 OF 3 SSIFICATION: UNCLASSIFIED REVIEWER: E. J. SEAWALT DATE: 1/2/2013 DRAWING NO REV ST-D5020-3 0